

## Textbook Alignment to the Utah Core – Algebra 1

*This alignment has been completed using an “Independent Alignment Vendor” from the USOE approved list  
([www.schools.utah.gov/curr/imc/indvendor.html](http://www.schools.utah.gov/curr/imc/indvendor.html).) Yes X No \_\_\_\_\_*

Name of Company and Individual Conducting Alignment: Waterloo Education LLC

A “Credential Sheet” has been completed on the above company/evaluator and is (Please check one of the following):

☒ On record with the USOE.

☐ The “Credential Sheet” is attached to this alignment.

Instructional Materials Evaluation Criteria (name and grade of the core document used to align): Algebra 1 Core Curriculum

Title: Saxon Math Algebra 1 ISBN#: 9781602773028

Publisher: Houghton Mifflin Harcourt Supplemental Inc.

Overall percentage of coverage in the *Student Edition (SE)* and *Teacher Edition (TE)* of the Utah State Core Curriculum: 95 %

Overall percentage of coverage in *ancillary materials* of the Utah Core Curriculum: 89 %

**STANDARD I:** Students will expand number sense to understand, perform operations,  
and solve problems with real numbers.

Percentage of coverage in the *student and teacher edition* for  
Standard I: 100 %

Percentage of coverage not in student or teacher edition, but  
covered in the *ancillary material* for Standard I: 0 %

<b>OBJECTIVES &amp; INDICATORS</b>		<b>Coverage in <i>Student Edition (SE)</i> and <i>Teacher Edition (TE)</i> (pg #'s, etc.)</b>	<b>Coverage in <i>Ancillary Material</i> (titles, pg #'s, etc.)</b>	<b><i>Not covered in TE, SE or ancillaries</i> ✓</b>
<b>Objective 1.1: Represent real numbers as points on the number line and distinguish rational numbers from irrational numbers.</b>				
<b>a.</b>	Define a rational number as a point on the number line that can be expressed as the ratio of two integers, and points that cannot be so expressed as irrational.	<u><b>Warm Up</b></u> Page(s): 47  <u><b>New Concept</b></u> Page(s): 2, 47, 70  <u><b>Lesson Practice</b></u> Page(s): 71  <u><b>Practice</b></u> Page(s): 71, 126, 163		
<b>b.</b>	Classify numbers as rational or irrational, knowing that rational numbers can be expressed as terminating or repeating decimals and irrational numbers can be expressed as non-terminating, non-repeating decimals.	<u><b>Skills Bank</b></u> Page(s): 851  <u><b>Skills Bank Practice</b></u> Page(s): 851  <u><b>Warm Up</b></u> Page(s): 2, 47  <u><b>New Concept</b></u> Page(s): 2, 3, 685, 686(wrap)  <u><b>Lesson Practice</b></u> Page(s): 5  <u><b>Practice</b></u> Page(s): 6, 10, 25, 30, 71, 145, 163, 221	<u><b>Cumulative Test</b></u> Page(s): 20, 22, 23, 25  <u><b>Benchmark Test</b></u> Page(s): 157	
<b>d.</b>	Classify $\pi$ and square roots of non-perfect square numbers as irrational.	<u><b>New Concept</b></u> Page(s): 2, 69, 685, 686(wrap)  <u><b>Lesson Practice</b></u>	<u><b>Cumulative Test</b></u> Page(s): 20, 22	

		Page(s): 5  <u><b>Practice</b></u> Page(s): 71, 79, 221, 398 (wrap)		
d.	Place rational and irrational numbers on a number line between two integers.	<u><b>Warm Up</b></u> Page(s): 127  <u><b>New Concept</b></u> Page(s): 70  <u><b>Lesson Practice</b></u> Page(s): 71  <u><b>Practice</b></u> Page(s): 71, 95, 266  <u><b>Challenge</b></u> Page(s): 72	<u><b>Cumulative Test</b></u> Page(s): 28, 30  <u><b>Benchmark Test</b></u> Page(s): 158	
<b>Objective 1.2: Compute fluently and make reasonable estimates with rational and irrational numbers.</b>				
a.	Simplify, add, subtract, multiply, and divide expressions with square roots.	<u><b>Warm Up</b></u> Page(s): 86, 282, 398-399, 449-451, 500-502, 684-687, 691-693  <u><b>New Concept</b></u> Page(s): 69-70, 399  <u><b>Lesson Practice</b></u> Page(s): 71, 451, 502, 687, 694  <u><b>Practice</b></u> Page(s): 78, 91, 101, 333, 403, 415, 452, 480, 503, 540, 608, 702  <u><b>Challenge</b></u> Page(s): 719	<u><b>Cumulative Test</b></u> Page(s): 3, 87, 91, 99, 104  <u><b>Performance Task</b></u> Page(s): 141, 154  <u><b>Benchmark Test</b></u> Page(s): 160, 163  <u><b>End of Course Exam</b></u> Page(s): 167, 171	
b.	Evaluate and simplify numerical expressions containing rational numbers and square roots using the order of	<u><b>Warm Up</b></u> Page(s): 31, 43, 47	<u><b>Cumulative Test</b></u> Page(s): 29	

	operations.	<p><b><u>New Concept</u></b> Page(s): 43-44</p> <p><b><u>Lesson Practice</u></b> Page(s): 44</p> <p><b><u>Practice</u></b> Page(s): 45, 50, 60, 67, 71, 101, 133, 152, 503, 540, 607</p> <p><b><u>Challenge</u></b> Page(s): 16, 35</p> <p><b><u>Appendix</u></b> Page(s): 843-845</p> <p><b><u>Appendix Lesson Practice</u></b> Page(s): 845</p>	<p><b><u>Benchmark Test</u></b> Page(s): 160, 163</p> <p><b><u>End of Course Exam</u></b> Page(s): 167, 171</p>	
c.	Compute solutions to problems, represent answers in exact form, and determine the reasonableness of answers.	<p><b><u>Skills Bank</u></b> Page(s): 847, 848, 863, 867, 872, 877, 878, 879, 880, 881, 882, 883</p> <p><b><u>Skills Bank Practice</u></b> Page(s): 847, 848, 863, 867, 872, 877, 878, 879, 880, 881, 882, 883</p> <p><b><u>Warm Up</u></b> Page(s): 7, 22, 43, 63, 120, 164, 171, 217, 263, 343, 375, 538, 678</p> <p><b><u>New Concept</u></b> Page(s): 39, 135-136, 141, 466, 553, 717</p> <p><b><u>Lesson Practice</u></b> Page(s): 29, 49, 59, 106, 123, 137, 166</p> <p><b><u>Practice</u></b> Page(s): 6, 10, 25, 30, 40, 56, 60, 71, 79, 133, 145, 163, 221, 522, 540, 607</p>	<p><b><u>Cumulative Test</u></b> Page(s): 19-22, 23-26, 27-30, 31-34, 35-38, 39-42, 43-47, 48-50, 51-54, 55-58, 59-62, 63-66, 67-70, 71-74, 75-78, 79-82, 83-86, 87-90, 91-94, 95-98, 99-102, 103-106, 107-110</p> <p><b><u>Performance Task</u></b> Page(s): 111-112, 113-114, 115-116, 117-118, 119-120, 121-122, 123-124, 125-126, 127-128, 129-130, 131-132, 133-134, 135-136, 137-138, 139-140, 141-142, 143-144, 145-146, 147-148, 149-150, 151-152, 153-154, 155-156</p> <p><b><u>Benchmark Test</u></b> Page(s): 157, 159, 160,</p>	

		<u><b>Investigation</b></u> Page(s): 53-54, 749-753  <u><b>Lab</b></u> Page(s): 352, 824  <u><b>Challenge</b></u> Page(s): 41, 79, 144, 269, 591, 760, 794, 823  <u><b>Appendix</b></u> Page(s): 830-832, 833-835, 838, 840-842  <u><b>Appendix Lesson Practice</b></u> Page(s): 832, 835-836, 839, 842	161, 162, 163, 164, 165, 166  <u><b>End of Course Exam</b></u> Page(s): 167-172	
d.	Calculate the measures of the sides of a right triangle using the Pythagorean Theorem.	<u><b>Warm Up</b></u> Page(s): 563, 796  <u><b>New Concept</b></u> Page(s): 557, 559  <u><b>Lesson Practice</b></u> Page(s): 559, 560  <u><b>Practice</b></u> Page(s): 561, 568, 574, 581, 591, 614, 637, 807	<u><b>Cumulative Test</b></u> Page(s): 88, 90, 92, 94, 107, 109  <u><b>Performance Task</b></u> Page(s): 141, 153  <u><b>Benchmark Test</b></u> Page(s): 166  <u><b>End of Course Exam</b></u> Page(s): 171	
<b>STANDARD II: Students will extend concepts of proportion to represent and analyze linear relations.</b>				
Percentage of coverage in the <i>student and teacher edition</i> for Standard II: <u>100</u> %		Percentage of coverage not in student or teacher edition, but covered in the <i>ancillary material</i> for Standard II: <u>0</u> %		
<b>OBJECTIVES &amp; INDICATORS</b>		<b>Coverage in <i>Student Edition</i>(SE) and <i>Teacher Edition</i> (TE) (pg #'s, etc.)</b>	<b>Coverage in <i>Ancillary Material</i> (titles, pg #'s, etc.)</b>	<b><i>Not covered in TE, SE or ancillaries</i> ✓</b>
Objective 2.1: Represent and analyze the slope of a line.				

a.	Identify the slope of a line when given points, a graph, or an equation.	<p><b><u>Warm Up</u></b> Page(s): 424, 436, 464, 647, 809</p> <p><b><u>New Concept</u></b> Page(s): 257, 275, 276, 329</p> <p><b><u>Lesson Practice</u></b> Page(s): 259, 278</p> <p><b><u>Practice</u></b> Page(s): 268-269, 280, 285, 292, 298, 311, 317, 327, 334, 340, 348</p> <p><b><u>Investigation:</u></b> Page(s): 396-397</p>	<p><b><u>Cumulative Test</u></b> Page(s): 55, 64, 66, 72</p> <p><b><u>Performance Task</u></b> Page(s): 125, 130, 134, 135</p> <p><b><u>Benchmark Test</u></b> Page(s): 162, 164</p> <p><b><u>End of Course Exam</u></b> Page(s): 168</p>	
b.	Identify horizontal and vertical lines given the equations or slopes.	<p><b><u>Warm Up</u></b> Page(s): 510</p> <p><b><u>New Concept</u></b> Page(s): 258, 275, 329</p> <p><b><u>Lesson Practice</u></b> Page(s): 331</p> <p><b><u>Practice</u></b> Page(s): 28, 395, 434, 548, 574</p> <p><b><u>Challenge</u></b> Page(s): 222, 334</p>	<p>Opportunities exist to address this standard in:</p> <p><b><u>Cumulative Test</u></b> Page(s): 64, 66</p>	
c.	Determine the effect of changes in slope or y-intercept t in $y = mx + b$ .	<p><b><u>New Concept</u></b> Page(s): 180</p> <p><b><u>Practice</u></b> Page(s): 417, 433</p> <p><b><u>Investigation</u></b> Page(s): 396-397</p> <p><b><u>Lab</u></b> Page(s): 305</p>	<p><b><u>Cumulative Test</u></b> Page(s): 63, 65</p> <p><b><u>Benchmark Test</u></b> Page(s): 163</p>	

<b>d.</b>	Determine and explain the meaning of slopes and intercepts using real-world examples.	<u><b>Warm Up</b></u> Page(s): 275  <u><b>New Concept</b></u> Page(s): 278, 310, 331  <u><b>Lesson Practice</b></u> Page(s): 311  <u><b>Practice</b></u> Page(s): 268-269, 274, 287, 311, 318, 340, 421	<u><b>Performance Task</b></u> Page(s): 125, 128, 134	
<b>Objective 2.2</b> Model and interpret problems having a constant rate of change using linear functions.				
<b>a.</b>	Write algebraic expressions or equations to generalize visual patterns, numerical patterns, relations, data sets, or scatter plots.	<u><b>Warm Up</b></u> Page(s): 146  <u><b>New Concept</b></u> Page(s): 214, 310, 466, 469, 708  <u><b>Lesson Practice</b></u> Page(s): 214, 311, 470-471  <u><b>Practice</b></u> Page(s): 57, 126, 334, 389, 480, 491, 498, 528, 535, 562, 575  <u><b>Investigation</b></u> Page(s): 751  <u><b>Lab</b></u> Page(s): 464  <u><b>Challenge</b></u> Page(s): 126, 292, 334, 423, 527, 690  <u><b>Appendix</b></u> Page(s): 835  <u><b>Appendix Lesson Practice</b></u>	<u><b>Cumulative Test</b></u> Page(s): 10, 12, 44, 46, 75, 77, 108, 110  <u><b>Performance Task</b></u> Page(s): 115, 118, 121, 124, 125, 128, 129-130, 133-134, 137-138, 141, 143-144, 145-146, 147, 153, 155-156  <u><b>Benchmark Test</b></u> Page(s): 157, 159, 161, 164  <u><b>End of Course Exam</b></u> Page(s): 168, 170, 171	

		Page(s): 836		
<b>b.</b>	Represent linear equations in slope-intercept form, $y = mx + b$ , and standard form, $Ax + By = C$ .	<p><b><u>Warm Up</u></b> Page(s): 345, 464</p> <p><b><u>New Concept</u></b> Page(s): 219-220, 307-310, 330, 424-426, 437-438</p> <p><b><u>Lesson Practice</u></b> Page(s): 220, 310-311, 426-427, 477, 517 (wrap), 518</p> <p><b><u>Practice</u></b> Page(s): 328, 333, 342, 349, 350, 402, 410, 724</p> <p><b><u>Investigation</u></b> Page(s): 396-397</p> <p><b><u>Lab</u></b> Page(s): 177, 305</p> <p><b><u>Challenge</u></b> Page(s): 222</p>	<p><b><u>Cumulative Test</u></b> Page(s): 67, 69</p> <p><b><u>Performance Task</u></b> Page(s): 128, 130, 133-134, 135</p> <p><b><u>Benchmark Test</u></b> Page(s): 161, 163, 164</p> <p><b><u>End of Course Exam</u></b> Page(s): 169</p>	
<b>c.</b>	Distinguish between linear and non-linear functions by examining a table, equation, or graph.	<p><b><u>New Concept</u></b> Page(s): 179, 720 (wrap)</p> <p><b><u>Lesson Practice</u></b> Page(s): 182</p> <p><b><u>Practice</u></b> Page(s): 184, 242</p> <p><b><u>Challenge</u></b> Page(s): 186</p>	<b><u>Cumulative Test</u></b> Page(s): 43, 45	
<b>d.</b>	Interpret the slope of a linear function as a rate of change in real-world situations.	<p><b><u>Warm Up</u></b> Page(s): 275</p> <p><b><u>New Concept</u></b></p>	<b><u>Cumulative Test</u></b> Page(s): 51, 53, 60, 62, 72, 74	

		Page(s): 256-259, 278, 307 (wrap), 310  <u><b>Lesson Practice</b></u> Page(s): 259  <u><b>Practice</b></u> Page(s): 260, 268, 269, 287, 298		
<b>Objective 2.3: Represent and analyze linear relationships using algebraic equations, expressions, and graphs.</b>				
<b>a.</b>	Write the equation of a line when given two points or the slope and a point on the line.	<u><b>Warm Up</b></u> Page(s): 424  <u><b>New Concept</b></u> Page(s): 310, 330-331, 425-426  <u><b>Lesson Practice</b></u> Page(s): 331, 426  <u><b>Practice</b></u> Page(s): 350, 366, 373, 388, 402, 427, 440, 447  <u><b>Challenge</b></u> Page(s): 312, 334	<u><b>Cumulative Test</b></u> Page(s): 60, 62, 67, 69  <u><b>End of Course Exam</b></u> Page(s): 169	
<b>b.</b>	Approximate the equation of a line given the graph of a line.	<u><b>New Concept</b></u> Page(s): 309  <u><b>Lesson Practice</b></u> Page(s): 310  <u><b>Practice</b></u> Page(s): 333, 428, 498  <u><b>Lab</b></u> Page(s): 464	<u><b>Cumulative Test</b></u> Page(s): 60, 62  <u><b>Benchmark Test</b></u> Page(s): 161	
<b>c.</b>	Identify the $x$ - and $y$ -intercepts from an equation or graph of a line or a table of values.	<u><b>Warm Up</b></u> Page(s): 329, 424, 436, 647, 809  <u><b>New Concept</b></u>	<u><b>Cumulative Test</b></u> Page(s): 44, 46, 64, 66  <u><b>Performance Task</b></u>	

		Page(s): 217-220 <u><b>Lesson Practice</b></u> Page(s): 220  <u><b>Practice</b></u> Page(s): 228, 241, 247, 261, 268, 280, 303, 311, 328  <u><b>Investigation</b></u> Page(s): 396  <u><b>Challenge</b></u> Page(s): 515	Page(s): 121  <u><b>Benchmark Test</b></u> Page(s): 160  <u><b>End of Course Exam</b></u> Page(s): 169, 171	
d.	Graph linear relations and inequalities by plotting points, by finding $x$ - and $y$ intercepts, or by using the slope and any point on the line.	<u><b>Warm Up</b></u> Page(s): 735  <u><b>New Concept</b></u> Page(s): 355-356, 647-649, 735  <u><b>Lesson Practice</b></u> Page(s): 357, 651  <u><b>Practice</b></u> Page(s): 359, 402, 423, 653, 689, 695, 726, 740, 768  <u><b>Investigation</b></u> Page(s): 396-397  <u><b>Lab</b></u> Page(s): 305, 645  <u><b>Challenge</b></u> Page(s): 222, 262, 608, 654, 674	<u><b>Cumulative Test</b></u> Page(s): 43, 45, 56, 58  <u><b>Performance Task</b></u> Page(s): 138  <u><b>Benchmark Test</b></u> Page(s): 164	
<b>STANDARD III: Students will develop fluency with the language and operations of algebra to analyze and represent relationships.</b>				
<b>Percentage of coverage in the <i>student and teacher edition</i> for</b>		<b>Percentage of coverage not in student or teacher edition, but</b>		

Standard III: <u>94</u> %		covered in the <i>ancillary material</i> for Standard III: <u>0</u> %		
OBJECTIVES & INDICATORS		Coverage in <i>Student Edition (SE) and Teacher Edition (TE)</i> (pg #'s, etc.)	Coverage in <i>Ancillary Material</i> (titles, pg #'s, etc.)	Not covered in <i>TE, SE or ancillaries</i> ✓
<b>Objective 3.1: Simplify polynomials and the quotient of monomials.</b>				
a.	Simplify and evaluate monomial expressions and formulas.	<u><b>Warm Up</b></u> Page(s): 804  <u><b>New Concept</b></u> Page(s): 13, 88, 89, 123  <u><b>Lesson Practice</b></u> Page(s): 14, 89, 123, 174  <u><b>Practice</b></u> Page(s): 46, 61, 72, 78, 90, 109, 151, 196, 575  <u><b>Challenge</b></u> Page(s): 30, 35, 176, 203  <u><b>Appendix</b></u> Page(s): 833, 843-845  <u><b>Appendix Lesson Practice</b></u> Page(s): 835, 836, 845	<u><b>Cumulative Test</b></u> Page(s): 36, 38, 43, 45, 71, 73, 95, 97  <u><b>Benchmark Test</b></u> Page(s): 157, 159, 163, 165, 166  <u><b>End of Course Exam</b></u> Page(s): 171	
b.	Add and subtract polynomials.	<u><b>New Concept</b></u> Page(s): 335-339  <u><b>Lesson Practice</b></u> Page(s): 339  <u><b>Practice</b></u> Page(s): 342, 351, 373, 403, 433	<u><b>Cumulative Test</b></u> Page(s): 96, 98, 84, 86  <u><b>Benchmark Test</b></u> Page(s): 157, 159, 161, 165  <u><b>End of Course Exam</b></u> Page(s): 170	
c.	Multiply monomials by a polynomial.	<u><b>Warm Up</b></u> Page(s): 93, 110, 134, 592  <u><b>New Concept</b></u>	<u><b>Cumulative Test</b></u> Page(s): 51, 53, 55, 57, 59, 61, 67, 69, 75, 77	

		Page(s): 81, 243-245, 375  <u><b>Lesson Practice</b></u> Page(s): 82, 246, 379  <u><b>Practice</b></u> Page(s): 90, 131, 203, 311, 388, 410  <u><b>Challenge</b></u> Page(s): 158	<u><b>Performance Task</b></u> Page(s): 115  <u><b>Benchmark Test</b></u> Page(s): 157, 161  <u><b>End of Course Exam</b></u> Page(s): 168, 171	
d.	Multiply binomials.	<u><b>Warm Up</b></u> Page(s): 390, 474, 493, 543, 592, 776  <u><b>New Concept</b></u> Page(s): 375-377, 390-392  <u><b>Lesson Practice</b></u> Page(s): 379, 393  <u><b>Practice</b></u> Page(s): 393, 395, 403, 421, 427, 435, 439, 499  <u><b>Challenge</b></u> Page(s): 85, 380, 504, 719	<u><b>Cumulative Test</b></u> Page(s): 63, 65, 67, 69, 71, 73, 76, 77, 79, 81  <u><b>Benchmark Test</b></u> Page(s): 159, 161  <u><b>End of Course Exam</b></u> Page(s): 169	
e.	Simplify the quotient of monomials using positive exponents.	<u><b>Warm Up</b></u> Page(s): 43  <u><b>New Concept</b></u> Page(s): 88, 239, 243, 245  <u><b>Lesson Practice</b></u> Page(s): 240, 246  <u><b>Practice</b></u> Page(s): 61, 132  <u><b>Challenge</b></u> Page(s): 90	<u><b>End of Course Exam</b></u> Page(s): 167	

<b>Objective 3.2: Solve and interpret linear equations and inequalities in various situations including real-world problems.</b>				
<b>a.</b>	Solve single-variable linear equations and inequalities algebraically and graphically.	<p><b><u>Warm Up</u></b> Page(s): 120, 134, 190, 430, 455, 505, 532</p> <p><b><u>New Concept</u></b> Page(s): 103-106, 120-123, 134-136, 140-142, 430-432, 455-458, 481-483, 505-507, 532-534</p> <p><b><u>Lesson Practice</u></b> Page(s): 106, 123, 137, 142, 433, 459, 483, 507, 534</p> <p><b><u>Practice</u></b> Page(s): 107, 124, 131, 137, 142, 161, 167, 175, 216, 260, 459, 266, 285, 348, 357, 433, 440, 446, 453, 484, 535, 573</p> <p><b><u>Lab</u></b> Page(s): 352</p> <p><b><u>Challenge</u></b> Page(s): 108, 126, 139</p>	<p><b><u>Cumulative Test</u></b> Page(s): 84, 86, 88, 90, 96, 98</p> <p><b><u>Performance Task</u></b> Page(s): 133</p> <p><b><u>Benchmark Test</u></b> Page(s): 159, 160, 161, 163, 164, 165</p> <p><b><u>End of Course Exam</u></b> Page(s): 168, 170</p>	
<b>b.</b>	Solve real-world problems involving constant rates of change.	<p><b><u>Warm Up</u></b> Page(s): 275</p> <p><b><u>New Concept</u></b> Page(s): 256-259, 278, 310</p> <p><b><u>Lesson Practice</u></b> Page(s): 259-260</p> <p><b><u>Practice</u></b> Page(s): 260, 268, 269, 274, 280, 286, 287, 292, 298, 318</p>	<p><b><u>Cumulative Test</u></b> Page(s): 51, 53, 60, 62, 72, 74</p> <p><b><u>Performance Task</u></b> Page(s): 125</p>	
<b>c.</b>	Solve equations for a specified variable.	<b><u>Warm Up</u></b>	<b><u>Cumulative Test</u></b>	

		Page(s): 307, 354, 550, 761  <u><b>New Concept</b></u> Page(s): 171-173  <u><b>Lesson Practice</b></u> Page(s): 174  <u><b>Practice</b></u> Page(s): 174, 185, 194, 235, 240, 266, 372	Page(s): 44, 46  <u><b>Benchmark Test</b></u> Page(s): 159	
d.	Solve proportions that include algebraic first-degree expressions.	<u><b>Warm Up</b></u> Page(s): 329  <u><b>New Concept</b></u> Page(s): 190-193, 223-225, 264  <u><b>Lesson Practice</b></u> Page(s): 193, 226-227, 266  <u><b>Practice</b></u> Page(s): 196, 203, 214, 251, 262, 273, 280, 372, 673	<u><b>Cumulative Test</b></u> Page(s): 47, 49, 52, 54, 60, 62  <u><b>Performance Task</b></u> Page(s): 125  <u><b>Benchmark Test</b></u> Page(s): 159, 166	
<b>Objective 3.3: Solve and interpret pairs of linear equations and inequalities.</b>				
a.	Solve systems of two linear equations graphically and algebraically with and without technology.	<u><b>New Concept</b></u> Page(s): 354-356, 382-386  <u><b>Lesson Practice</b></u> Page(s): 357, 386-387  <u><b>Practice</b></u> Page(s): 373, 387, 393, 402, 403, 410, 416, 423, 428, 434, 447, 459, 460, 471, 491, 492, 499  <u><b>Lab</b></u> Page(s): 352-353	<u><b>Cumulative Test</b></u> Page(s): 60, 62, 63, 64, 68, 70, 72, 74, 76, 78, 79, 81  <u><b>Performance Task</b></u> Page(s): 130, 132, 133, 152  <u><b>Benchmark Test</b></u> Page(s): 163, 165  <u><b>End of Course Exam</b></u> Page(s): 171	

		<b><u>Challenge</u></b> Page(s): 389		
<b>b.</b>	Determine the number of possible solutions for a system of two linear equations.	<p>Opportunities exist to address this standard in:  <b><u>New Concept</u></b>  Page(s): 354-356, 382-386</p> <p><b><u>Lesson Practice</u></b>  Page(s): 357, 386</p> <p><b><u>Practice</u></b>  Page(s): 460</p>	<p>Opportunities exist to address this standard in:  <b><u>Cumulative Test</u></b>  Page(s): 60, 62, 63, 64, 68, 70, 72, 74, 76, 78, 79, 81</p>	
<b>c.</b>	Graph a system of linear inequalities and identify the solution.	<p><b><u>New Concept</u></b>  Page(s): 735-738</p> <p><b><u>Lesson Practice</u></b>  Page(s): 738</p> <p><b><u>Practice</u></b>  Page(s): 739, 746, 758, 774, 786, 794, 808</p> <p><b><u>Challenge</u></b>  Page(s): 536</p>	<p><b><u>Cumulative Test</u></b>  Page(s): 107, 109</p> <p><b><u>Performance Task</u></b>  Page(s): 151</p>	
<b>Objective 3.4: Factor polynomials with common monomial factors and factor simple quadratic expressions.</b>				
<b>a.</b>	Find the greatest common monomial factor of a polynomial.	<p><b><u>Warm Up</u></b>  Page(s): 243, 322, 335, 543, 570</p> <p><b><u>New Concept</u></b>  Page(s): 517-519, 238-240, 271-272, 570-572</p> <p><b><u>Lesson Practice</u></b>  Page(s): 240, 272, 573</p> <p><b><u>Practice</u></b></p>	<p><b><u>Cumulative Test</u></b>  Page(s): 51, 53, 55, 57, 68, 70</p> <p><b><u>Performance Task</u></b>  Page(s): 124</p> <p><b><u>Benchmark Test</u></b>  Page(s): 159</p>	

		Page(s): 247, 260, 286, 317, 580, 606, 614, 710  <u><b>Investigation</b></u> Page(s): 598-601  <u><b>Challenge</b></u> Page(s): 498, 521		
<b>b.</b>	Factor trinomials with integer coefficients of the form $x^2 + bx + c$ .	<u><b>Warm Up</b></u> Page(s): 493, 517, 576, 609, 631, 655  <u><b>New Concept</b></u> Page(s): 474-477, 493-496, 517, 655-656  <u><b>Lesson Practice</b></u> Page(s): 478, 497, 659  <u><b>Practice</b></u> Page(s): 484, 491, 498, 502, 509, 514, 520, 527, 535, 540, 666, 675, 702, 711, 758  <u><b>Investigation</b></u> Page(s): 598-599	<u><b>Cumulative Test</b></u> Page(s): 75, 77, 79, 81, 83, 84, 85, 86, 91, 93, 99, 101  <u><b>Benchmark Test</b></u> Page(s): 163, 165	
<b>c.</b>	Factor the difference of two squares and perfect square trinomials.	<u><b>Warm Up</b></u> Page(s): 616  <u><b>New Concept</b></u> Page(s): 543-546  <u><b>Lesson Practice</b></u> Page(s): 546  <u><b>Practice</b></u> Page(s): 553, 560, 573, 590, 595, 606, 668  <u><b>Investigation</b></u> Page(s): 598-601	<u><b>Cumulative Test</b></u> Page(s): 65, 67, 88, 90, 91, 93	

<b>Objective 3.5: Solve quadratic equations using factoring or by taking square roots.</b>				
<b>a.</b>	Solve quadratic equations that can be simplified to the form $x^2 = a$ where $a \geq 0$ by taking square roots.	<u><b>New Concept</b></u> Page(s): 684-687  <u><b>Lesson Practice</b></u> Page(s): 687  <u><b>Practice</b></u> Page(s): 688, 695, 703, 710, 717, 733, 741  <u><b>Challenge</b></u> Page(s): 660	<u><b>Cumulative Test</b></u> Page(s): 100, 102	
<b>b.</b>	Solve quadratic equations using factoring.	<u><b>Warm Up</b></u> Page(s): 712, 742  <u><b>New Concept</b></u> Page(s): 655-658  <u><b>Lesson Practice</b></u> Page(s): 659  <u><b>Practice</b></u> Page(s): 667, 673, 682, 689, 695, 710, 760, 779  <u><b>Challenge</b></u> Page(s): 660	<u><b>Cumulative Test</b></u> Page(s): 100, 102  <u><b>Benchmark Test</b></u> Page(s): 166	
<b>c.</b>	Write a quadratic equation when given the solutions.	<u><b>Practice</b></u> Page(s): 689, 726  <u><b>Challenge</b></u> Page(s): 748		
<b>STANDARD IV: Students will understand concepts from statistics and apply statistical methods to solve problems.</b>				
<b>Percentage of coverage in the <i>student and teacher edition</i> for</b>		<b>Percentage of coverage not in student or teacher edition, but</b>		

Standard IV: <u>83</u> %		covered in the <i>ancillary material</i> for Standard IV: <u>16</u> %		
OBJECTIVES & INDICATORS		Coverage in <i>Student Edition</i> (SE) and <i>Teacher Edition</i> (TE) (pg #'s, etc.)	Coverage in <i>Ancillary Material</i> (titles, pg #'s, etc.)	Not covered in TE, SE or ancillaries ✓
<b>Objective 4.1: Objective 1: Summarize, display, and analyze bivariate data.</b>				
<b>a.</b>	Collect, record, organize, and display a set of data with at least two variables.	<p>Opportunities exist to address this standard in:</p> <p><b><u>New Concept</u></b> Page(s): 466-469</p> <p><b><u>Lesson Practice</u></b> Page(s): 470-471</p> <p><b><u>Practice</u></b> Page(s): 479, 485, 504, 535, 573</p> <p><b><u>Lab</u></b> Page(s): 464-465</p>	<p><b><u>Performance Task</u></b> Page(s): 138</p> <p><b><u>Benchmark Test</u></b> Page(s): 164</p>	
<b>b.</b>	Determine whether the relationship between two variables is approximately linear or non-linear by examination of a scatter plot.	<p>Opportunities exist to address this standard in:</p> <p><b><u>New Concept</u></b> Page(s): 466-467</p> <p><b><u>Practice</u></b> Page(s): 470</p> <p><b><u>Lab</u></b> Page(s): 464-465</p>	<p>Opportunities exist to address this standard in:</p> <p><b><u>Cumulative Test</u></b> Page(s): 75, 77</p> <p><b><u>Performance Task</u></b> Page(s): 138</p> <p><b><u>Benchmark Test</u></b> Page(s): 164</p>	
<b>c.</b>	Characterize the relationship between two linear related variables as having positive, negative, or approximately zero correlation.	<p><b><u>New Concept</u></b> Page(s): 467-469</p> <p><b><u>Lesson Practice</u></b> Page(s): 470-471</p> <p><b><u>Practice</u></b> Page(s): 472-473, 485, 504, 509,</p>	<p><b><u>Cumulative Test</u></b> Page(s): 79, 81</p> <p><b><u>Performance Task</u></b> Page(s): 138</p> <p><b><u>Benchmark Test</u></b> Page(s): 164</p>	

		516, 528		
<b>Objective 4.2: Estimate, interpret, and use lines fit to bivariate data.</b>				
<b>a.</b>	Estimate the equation of a line of best fit to make and test conjectures.	<b><u>New Concept</u></b> Page(s): 466-467  <b><u>Lesson Practice</u></b> Page(s): 470-471  <b><u>Practice</u></b> Page(s): 479, 498, 528, 554  <b><u>Lab</u></b> Page(s): 465	<b><u>Cumulative Test</u></b> Page(s): 75, 77  <b><u>Performance Task</u></b> Page(s): 138  <b><u>Benchmark Test</u></b> Page(s): 164	
<b>b.</b>	Interpret the slope and y-intercept of a line through data.	<b><u>New Concept</u></b> Page(s): 466-467  <b><u>Practice</u></b> Page(s): 479, 498  <b><u>Lab</u></b> Page(s): 465	<b><u>Cumulative Test</u></b> Page(s): 51, 52, 53, 54, 60, 62, 72, 74  <b><u>Performance Task</u></b> Page(s): 121  <b><u>Benchmark Test</u></b> Page(s): 164  <b><u>End of Course Exam</u></b> Page(s): 168	
<b>c.</b>	Predict y-values for given $x$ -values when appropriate using a line fitted to bivariate numerical data.	<b><u>New Concept</u></b> Page(s): 469  <b><u>Lesson Practice</u></b> Page(s): 471  <b><u>Practice</u></b> Page(s): 479, 492  <b><u>Lab</u></b> Page(s): 464-465	<b><u>Benchmark Test</u></b> Page(s): 164	